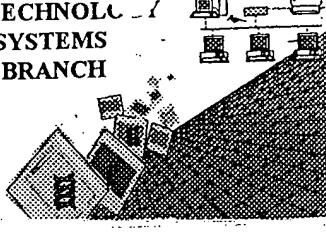


## RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/075,105B  
Source: OIPE  
Date Processed by STIC: 01/16/03

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

**Raw Sequence Listing Error Summary**

**ERROR DETECTED**      **SUGGESTED CORRECTION**      **SERIAL NUMBER:** 10/075,105B

**ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE**

1  Wrapped Nucleics  
Wrapped Aminos      The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2  Invalid Line Length      The rules require that a line not exceed 72 characters in length. This includes white spaces.

3  Misaligned Amino Numbering      The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4  Non-ASCII      The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5  Variable Length      Sequence(s) \_\_\_\_\_ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6  PatentIn 2.0 "bug"      A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) \_\_\_\_\_. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7  Skipped Sequences (OLD RULES)      Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence:  
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
This sequence is intentionally skipped  
  
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8  Skipped Sequences (NEW RULES)      Sequence(s) \_\_\_\_\_ missing. If intentional, please insert the following lines for each skipped sequence.  
<210> sequence id number  
<400> sequence id number  
000

9  Use of n's or Xaa's (NEW RULES)      Use of n's and/or Xaa's have been detected in the Sequence Listing.  
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10  Invalid <213> Response      Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11  Use of <220>      Sequence(s) \_\_\_\_\_ missing the <220> "Feature" and associated numeric identifiers and responses.  
Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12  PatentIn 2.0 "bug"      Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13  Misuse of n      n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.



Does Not Comply  
Corrected Docket Needed

OIPE

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/075,105B

DATE: 01/16/2003  
TIME: 12:08:46

Input Set : A:\EP.txt  
Output Set: N:\CRF4\01162003\J075105B.raw

3 <110> APPLICANT: Li, Zhiqian T  
4 Gray, Dennis J  
6 <120> TITLE OF INVENTION: Bi-Directional Dual Promoter Complex with Enhanced Promoter  
Activity for  
7 Transgene Expression in Eukaryotes  
9 <130> FILE REFERENCE: 7270-72978  
11 <140> CURRENT APPLICATION NUMBER: 10/075,105B  
12 <141> CURRENT FILING DATE: 2002-02-13  
14 <150> PRIOR APPLICATION NUMBER: 60/268,358  
15 <151> PRIOR FILING DATE: 2001-02-13  
17 <160> NUMBER OF SEQ ID NOS: 18  
19 <170> SOFTWARE: PatentIn version 3.1  
21 <210> SEQ ID NO: 1  
22 <211> LENGTH: 736  
23 <212> TYPE: DNA  
24 <213> ORGANISM: unknown  
26 <220> FEATURE:  
27 <223> OTHER INFORMATION: Unknown Organism  
29 <400> SEQUENCE: 1

The type of errors shown exist throughout  
the Sequence Listing. Please check subsequent  
sequences for similar errors.

must explain genetic source -  
See error summary sheet item 11

30	ggatccagcg tgtcctctcc aaatgaaatg aacttcctta tatagaggaa gggctttgcg	60
32	aaggatagtg ggattgtcg tcatccctta cgtaatcg gataactgcg aagtttctgc	120
34	agttagactt ttcaacaaag ggtatatacg ggaaacctcc tcggattcca ttgcccagct	180
36	atctgtcaact tcataaaaag gacagtagaa aaggaagggtg gcacctacaa atgcacatcat	240
38	tgcgataaaag gaaaggctat cgttcaagat gcctctgccc acagtggtcc caaagatgga	300
40	cccccaccca cgaggagcat cgtggaaaaa gaagacgttc caaccacgtc ttcaaagcaa	360
42	gtggattgtat gtgattgcg tgagactttt caacaaaggg taatatcggg aaacctccctc	420
44	ggattccatt gcccagctat ctgtcaacttc atcaaaaagga cagtagaaaa ggaagggtggc	480
46	acctacaaat gccatcattt cgataaaagga aaggctatcg ttcaagatgc ctctgcccac	540
48	agtggtccca aagatggacc cccacccacg aggagcatcg tggaaaaaga agacgttcca	600
50	accacgtctt caaagcaagt ggattgtatgt gataatctcca ctgacgtaa ggtatgacgca	660
52	caatccact atccttcgca agacccttcc tctatataag gaagttcatt tcatttggag	720
54	aggacacgct ggatcc	736
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58	<211> LENGTH: 736	
59	<212> TYPE: DNA	
60	<213> ORGANISM: unknown	
62	<220> FEATURE:	
63	<223> OTHER INFORMATION: unknown organism	
65	<400> SEQUENCE: 2	
66	ccttaggtcgc acaggagagg ttactttac ttgaaggaat atatctcctt cccagaacgc	60
68	ttccttatcac cctaacacgc agtaggaaat gcagtcaccc ttagacgtc ttcaagacg	120
70	tcactctgaa aagttgttcc ccattatagc ctttggagg agccctaaggt aacgggtcga	180
72	tagacagtga agtagtttc ctgtcatctt ttccctccac cgtggatgtt tacggtagta	240
74	acgctatttc cttccgata gcaagttcta cggagacggc tgcaccagg gtttctaccc	300

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/075,105B

DATE: 01/16/2003

TIME: 12:08:46

Input Set : A:\EP.txt

Output Set: N:\CRF4\01162003\J075105B.raw

76	gggggtgggt	gctcctcgta	gcacctttt	cttctgcaag	gttggtgcag	aagtttcgtt	360
78	cacctaacta	caactaacgtc	actctgaaaa	gttggttccc	attatagccc	tttggaggag	420
80	cctaaggtaa	cgggtcgata	gacagtgaag	tagtttcct	gtcatcttt	ccttccaccg	480
82	tggatgtta	cggtagtaac	gtatttccct	ttccgatagc	aagttctacg	gagacggctg	540
84	tcaccagggt	ttctacactgg	gggtgggtgc	tcctcgtagc	accttttct	tctgcaaggt	600
86	tggtcagaa	gtttcggtca	cctaactaca	ctataagaggt	gactgcattc	cctactgcgt	660
88	gttagggtga	taggaagcgt	tctgggaagg	agatataattc	cttcaagtaa	agtaaacctc	720
90	tcctgtcgta	cctagg					736
93	<210>	SEQ ID NO:	3				
94	<211>	LENGTH:	1360				
95	<212>	TYPE:	DNA				
96	<213>	ORGANISM:	unknown				
98	<220>	FEATURE:					
99	<223>	OTHER INFORMATION:	unknown				
101	<400>	SEQUENCE:	3				
102	tacgtacagc	gtgtcctctc	caaataaaaa	gaacttcctt	atatacgagga	agggtcttgc	60
104	gaaggatagt	gggattgtgc	gtcatccctt	acgtcagtgg	agatatacaca	tccatccact	120
106	tgcttgaag	acgtgggtgg	aacgtcttct	ttttccacga	tgctcctcgt	gggtgggggt	180
108	ccatcttgg	gaccactgtc	ggcagaggca	tcttcaacga	tggccttcc	tttatcgcaa	240
110	tgatggcatt	tgttaggagcc	accttcctt	tccactatct	tcacaataaa	gtgacagata	300
112	gctgggcaat	ggaatcccgag	gagggttccg	gatattaccc	tttggtaaaa	agtcctcaatt	360
114	gccctttgg	cttctgagac	tgtatcttg	atattttgg	agtagacaag	tgtgtcgtgc	420
116	tccaccatgt	tgattcacat	caatccactt	gcttgaaga	cgtgggttgg	acgtcttctt	480
118	tttccacat	gctcctcgtg	ggtgggggtc	catctttggg	accactgtcg	gcagaggcat	540
120	cttcaacat	ggcctttcct	ttatcgcaat	gatggcattt	gtaggagcca	ccttcctttt	600
122	ccactatctt	cacaataaaag	tgacagata	ctggcaatg	gaatccgagg	aggttccgg	660
124	atattaccct	ttgttggaaaa	gtctcaattt	cccttggc	ttctgagact	gtatcttga	720
126	tatTTTgg	gtagacaagt	gtgtcgtgt	ccaccatgtt	gataagctt	tgcaagtgaga	780
128	ctttcaaca	aaggtaata	tcgggaaacc	tcctcggtt	ccattgcccc	gctatctgtc	840
130	acttcatcaa	aaggacagta	gaaaaggaag	gtggcaccta	caaatacgcat	cattgcgata	900
132	aaggaaaggc	tatcgtaa	gatgcctctg	ccgacagtgg	tcccaaagat	ggaccccccac	960
134	ccacgaggag	catcgtaaa	aaagaagacg	ttccaaaccac	gtcttcaaaag	caagtggatt	1020
136	gatgtgattt	cagttagact	tttcaacaaa	ggtaatatac	gggaaacctc	ctcggtattcc	1080
138	attgcccagc	tatctgtcac	ttcatcaaaa	ggacagtaga	aaaggaaggt	ggcacctaca	1140
140	aatgccatca	ttgcgataaa	ggaaaggcta	tcgtcaaga	tgcctctgcc	gacagtggtc	1200
142	ccaaagatgg	accccccaccc	acgaggagca	tcgtggaaaa	agaagacgtt	ccaaaccacgt	1260
144	cttcaaagca	agtggattga	tgtatctat	ccactgacgt	aaggatgac	gcacaatccc	1320
146	actatccttc	gcaagaccct	tcctctat	aaggaagttc			1360
149	<210>	SEQ ID NO:	4				
150	<211>	LENGTH:	1360				
151	<212>	TYPE:	DNA				
152	<213>	ORGANISM:	unknown				
154	<220>	FEATURE:					
155	<223>	OTHER INFORMATION:	Unknown Organism				
157	<400>	SEQUENCE:	4				
158	atgcgtgtcg	cacaggagag	gtttacttta	cttgaaggaa	tatatacttct	tcccaagaacg	60
160	cttccttatca	ccctaacacg	cagtagggaa	tgcagtccacc	tctatagtg	agtaggtga	120
162	acgaaacttc	tgcaccaacc	ttgcagaaga	aaaaggtgt	acgaggagca	cccaccccca	180
164	ggtagaaacc	ctggtgacag	ccgtctccgt	agaagttgt	accggaaagg	aaatagcggt	240

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/075,105B

DATE: 01/16/2003

TIME: 12:08:46

Input Set : A:\EP.txt

Output Set: N:\CRF4\01162003\J075105B.raw

166	actaccgtaa	acatcctcg	tggaaggaaa	aggtgataga	agtgttattt	cactgtctat	300
168	cgaccggta	ccttaggctc	ctccaaaggc	ctataatggg	aaacaacttt	tcagagttaa	360
170	cgggaaacca	gaagactctg	acatagaaaac	tataaaaacc	tcatctgttc	acacagcacg	420
172	aggtggta	actaaatgt	gttaggtgaa	cgaacttct	gcaccaacct	tgcagaagaa	480
174	aaaggtgcta	cgaggagcac	ccaccccccag	gtagaaaccc	tggtgacagc	cgtctccgta	540
176	gaagttgcta	ccggaaagga	aatagcgta	ctaccgtaaa	catcctcggt	ggaaggaaaa	600
178	ggtgatagaa	gtgttatttc	actgtctatc	gaccgttac	cttaggctcc	tccaaaggcc	660
180	tataatggg	aacaactttt	cagagttaac	ggaaaccag	aagactctga	catagaaact	720
182	ataaaaaaccc	catctgttca	cacagcacga	ggtgtacaa	ctattcgaag	acgtcactct	780
184	gaaaagttgt	ttcccattat	agcccttgg	aggagcctaa	ggttaacgggt	cgatagacag	840
186	tgaagtagtt	ttcctgtcat	ctttcccttc	caccgtggat	gtttacggta	gtaacgctat	900
188	ttccttcgg	atagcaagtt	ctacggagac	ggctgtcacc	agggtttcta	cctgggggtg	960
190	ggtgctcctc	gtagcacctt	tttcttctgc	aagggtggtg	cagaagtttc	gttcacccctaa	1020
192	ctacactaac	gtcactctga	aaagttgtt	cccattatag	ccctttggag	gaggctaaagg	1080
194	taacgggtcg	atagacagtg	aagtagttt	cctgtcatct	tttccttcca	ccgtggatgt	1140
196	ttacggtagt	aacgcattt	ccttcggat	agcaagttct	acggagacgg	ctgtcaccag	1200
198	ggttctacc	tggggggtgg	tgctcctcg	agcaccttt	tcttctgcaa	ggttggtgca	1260
200	gaagttcgt	tcacctaact	acactataga	ggtgactgca	ttccctactg	cgtgttaggg	1320
202	tgtatagaa	cgttctggg	aggagatata	ttccttcaag			1360

205 &lt;210&gt; SEQ ID NO: 5

206 &lt;211&gt; LENGTH: 1052

207 &lt;212&gt; TYPE: DNA

208 &lt;213&gt; ORGANISM: unknown

210 &lt;220&gt; FEATURE:

211 &lt;223&gt; OTHER INFORMATION: Unknown Organism

213 &lt;400&gt; SEQUENCE: 5

214	ggatccacaa	acttacaaat	ttctctgaag	ttgtatcctc	agtacttcaa	agaaaatagc	60
216	ttacaccaaa	ttttttcttg	tttcacaaa	tgccgaactt	ggttccttat	ataggaaaac	120
218	tcaaggc	aaatgacacg	gaaaaatata	aaagataag	tagtgggg	taagattcct	180
220	ttgtgataag	gttacttcc	gaagcttcca	gaaggttaatt	atccaagatg	tagcatcaag	240
222	aatccatgt	ttacggaaa	aactatggaa	gtattatgt	agctcagcaa	gaagcagatc	300
224	aatatgcggc	acatatgca	cctatgttca	aaaatgaaga	atgtacagat	acaagatcct	360
226	atactgcca	aatacgaaga	agaatacgt	gaaattgaaa	aagaagaacc	aggcgaagaa	420
228	aagaatctt	aagacgtaag	cactgacgac	aacaatgaaa	agaagaagat	aaggtcgg	480
230	attgtgaa	agacatagag	gacacatgt	aggtggaaa	tgttaagggt	gcagaaggta	540
232	attatcca	atgttagc	aagaatccaa	tgtttacggg	aaaaactatg	gaagtattat	600
234	gtgagctc	caagaagcag	atcaatatgc	ggcacatatg	caacctatgt	tcaaaaatga	660
236	agaatgtaca	gatacaagat	cctatactgc	cagaatacga	agaagaatac	gtagaaattg	720
238	aaaaagaaga	accaggcgaa	gaaaagaatc	ttgaagacgt	aagcactgac	gacaacaatg	780
240	aaaagaagaa	gataaggtcg	gtgattgtg	aagagacata	gaggacacat	gtaaggtg	840
242	aaatgtaa	gccccaaatgt	accttatac	aaagaatct	tatccccac	tacttac	900
244	tttatatttt	tccgtgtcat	ttttgccctt	gagttttcct	atataaggaa	ccaagttcg	960
246	catttgtaa	aacaagaaaa	aatttgggt	aagcttattt	cttgaagta	ctgaggatac	1020
248	aacctcagag	aaatttgtaa	gtttgtggat	cc			1052

251 &lt;210&gt; SEQ ID NO: 6

252 &lt;211&gt; LENGTH: 1052

253 &lt;212&gt; TYPE: DNA

254 &lt;213&gt; ORGANISM: unknown

256 &lt;220&gt; FEATURE:

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/075,105B

DATE: 01/16/2003  
TIME: 12:08:46

Input Set : A:\EP.txt  
Output Set: N:\CRF4\01162003\J075105B.raw

257 <223> OTHER INFORMATION: Unknown Organism

259 <400> SEQUENCE: 6

260	cctagggttt	tgaatgtta	aagagacttc	aacataggag	tcatgaagtt	tcttttatcg	60
262	aatgtggttt	aaaaaagaac	aaaagtgtt	acgggttcaa	ccaaggaata	tatccttttg	120
264	agttcccggt	tttactgtgc	cttttataat	tttccttattc	atcacccctt	attctaagga	180
266	aacactattc	caatgaaagg	cttcgaagg	cttcattaa	taggttctac	atcgtagttc	240
268	ttagggttaca	aatgcccttt	ttgatacctt	cataatacac	tcgagtcttt	cttcgtctag	300
270	ttatacggcc	tgtatacgtt	ggatacaca	ttttacttct	tacatgtcta	tgttcttagga	360
272	tatgacggtc	ttatgtttct	tcttatgtat	ctttaacttt	ttcttcttgg	tccgcttctt	420
274	ttcttagaaac	ttctgcattc	gtgactgctg	ttgttacttt	tcttcttcta	ttccagccac	480
276	taacactttc	tctgtatctc	ctgtgtacat	tccaccttt	acattcccg	cgtttccat	540
278	taataggttc	tacatcgtag	ttcttaggtt	acaaatgccc	tttttgatac	tttcataata	600
280	cactcgagtc	gttctcgtc	tagttatacg	ccgtgtatac	gttggataca	agtttttact	660
282	tcttacatgt	ctatgttcta	ggatatgacg	gtcttatgct	tcttctttag	catcttaac	720
284	tttttcttct	ttgtccgctt	cttttcttag	aacttctgca	ttcgtgactg	ctgttgttac	780
286	tttttcttct	ctattccagc	cactaaca	ttctctgtat	tcctctgtat	catccacct	840
288	tttacattcc	cgcctttcat	ttgaatagtg	tttccttaga	atagggggtg	atgaatagga	900
290	aaatataaaaa	aggcacagta	aaaacgggaa	ctcaaaagga	tatattcctt	ggttcaagcc	960
292	gttaaacactt	ttgttctttt	ttaaaccaca	ttcgataaaaa	gaaacttcat	gactcctatg	1020
294	ttgaagtctc	tttaaacatt	caaacacota	gg			1052

297 <210> SEQ ID NO: 7

298 <211> LENGTH: 1590

299 <212> TYPE: DNA

300 <213> ORGANISM: unknown

302 <220> FEATURE:

303 <223> OTHER INFORMATION: Unknown Organism

305 <400> SEQUENCE: 7

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308	ttacaccaaa	tttttcttgc	ttttcacaaa	tgccgaacct	ggttccttat	ataggaaaaac	120
310	tcaaggcCAA	aaatgacacg	gaaaaatata	aaaggataag	tagtgggg	taagattcct	180
312	ttgtgataag	gttactttcc	gcccttacat	tttccacctt	acatgtgtcc	tctatgtctc	240
314	tttcacaatc	accgacccat	tcttcttctt	ttcattgttg	tcgtcagtg	ttacgtcttc	300
316	aagattctt	tcttcgcctg	gttcttctt	ttcaatttct	acgtatttctt	ttcgttattc	360
318	tggcagtata	ggatcttgc	tctgtacatt	tttcattttt	gaacataagg	tgcatatgtg	420
320	ccgcattttt	atctgtttct	tgctgagctc	acataatact	tccatagctg	cagcccttac	480
322	atttccacc	ttacatgtgt	cctctatgtc	tctttcacaa	tcaccgacct	tatcttcttc	540
324	ttttcattgt	tgtcgctagt	gtttacgtct	tcaagattct	tttcttcg	ttgttcttct	600
326	ttttcaattt	ctacgttattc	ttcttcgtat	tctggcagta	taggatctt	tatctgtaca	660
328	ttcttcattt	ttgaacatag	gttgcata	tgccgcata	tgtatctgtt	tttgctgagc	720
330	tcacataata	cttccatagg	aagtttca	aggtaattat	ccaagatgt	gcatcaagaa	780
332	tccaatgttt	acggggaaaaaa	ctatggaa	attatgttag	ctcagcaaga	agcagatcaa	840
334	tatgcggcac	atatgcac	tatgttcaaa	aatgaagaat	gtacagatac	aaatccat	900
336	actgccagaa	tacgaagaag	aatacgtaga	aattggaaaa	gaagaaccag	gcgaagaaaa	960
338	gaatcttgc	gacgttgc	ctgacgacaa	caatggaaaa	aagaagataa	ggtcgggtat	1020
340	tgtgaaagag	acatagagga	cacatgtaa	gtggaaaaatg	taagggctgc	agaaggtaat	1080
342	tatccaagat	gtacatcaa	gaatccaat	tttacgggaa	aaactatgg	agtattatgt	1140
344	gagtcagca	agaagcagat	caatatgcgg	cacatatgc	acctatgtt	aaaaatgaag	1200
346	aatgtacaga	tacaagatcc	tatactgc	gaatacga	aagaatacgt	agaaattgaa	1260
348	aaagaagaac	caggcgaaga	aaagaatctt	gaagacgtaa	gcactgacga	caacaatgaa	1320

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/075,105B

DATE: 01/16/2003

TIME: 12:08:46

Input Set : A:\EP.txt

Output Set: N:\CRF4\01162003\J075105B.raw

350	aagaagaaga	taaggcggt	gattgtaaaa	gagacataga	ggacacatgt	aagggtggaaa	1380
352	atgtaaaggc	ggaaagtaac	cttacacaa	aggaatctta	tcccccacta	cttatccttt	1440
354	tatatttttc	cgtgtcattt	ttgccttga	gtttcctat	ataaggaacc	aagttcgcca	1500
356	tttgtaaaaa	caagaaaaaa	tttgggtgaa	gctatttct	ttgaagtact	gaggatacaa	1560
358	cttcagagaa	atttgtaagt	ttgtggatcc				1590
361	<210>	SEQ ID NO:	8				
362	<211>	LENGTH:	1590				
363	<212>	TYPE:	DNA				
364	<213>	ORGANISM:	unknown				
366	<220>	FEATURE:					
367	<223>	OTHER INFORMATION:	Unknown Organism				
369	<400>	SEQUENCE:	8				
370	cctagggttt	tgaatgttta	aagagactt	—aacataggag	tcatgaagtt	tcttttatcg	60
372	aatgtggttt	aaaaaagaac	aaaagtgttt	acggcttga	ccaaggata	tatccctttg	120
374	agttcccggt	tttactgtgc	cttttataat	tttccttattc	atcaccctt	attctaagga	180
376	aacactattc	caatgaaagg	cggggatgt	aaaggtggaa	tgtacacagg	agatacagag	240
378	aaagtgttag	tggcttgaat	agaagaagaa	aagtaacaac	agcagtcacg	aatgcagaag	300
380	ttctaagaaaa	agaagcggac	caagaagaaa	aagttaaaga	tgcataagaa	gaagcataag	360
382	accgtcatat	cctagaacat	agacatgtaa	gaagtaaaaa	cttgtatcca	acgtatacac	420
384	ggcgtataac	tagacgaaga	acgactcgag	tgtattatga	aggtatcgac	gtcgggaatg	480
386	taaaaggtgg	aatgtacaca	ggagatacag	agaaagtgtt	agtggcttga	atagaagaag	540
388	aaaagtaaca	acagcagtca	cgaatgcaga	agttctaaga	aaagaagcgg	accaagaaga	600
390	aaaagttaaa	gatgcataag	aagaagcata	agaccgtcat	atcctagaac	atagacatgt	660
392	aagaagtaaa	aacttgtatc	caacgtatac	acggcgtata	actagacgaa	gaacgactcg	720
394	agtgtattat	gaaggatattc	ttcgaagttt	tccattaata	ggttctacat	cgtagttctt	780
396	aggttacaaa	tgccctttt	gataccttca	taatacactc	gagtcttct	tcgtctagtt	840
398	atacgccgtg	tatacggtgg	atacaagttt	ttacttctta	catgtctatg	ttcttaggata	900
400	tgacggtctt	atgcttctc	ttatgcattt	ttaactttt	cttcttggtc	cgcttcttt	960
402	cttagaactt	ctgcattcgt	gactgctgtt	gttactttt	ttcttctatt	ccagccacta	1020
404	acactttctc	tgtatctcct	gtgtacatc	caccttttac	attcccacg	tcttccatta	1080
406	ataggttcta	catcgtagtt	cttaggttac	aaatgccctt	tttgataacct	tcataataca	1140
408	ctcgagtcgt	tcttcgtcta	gttatacgcc	gtgtatacgt	tggataacaag	tttttacttc	1200
410	ttacatgtct	atgttcttag	atatgacgg	ctttagcttc	ttctttagtca	tctttaactt	1260
412	tttcttctt	gtccgcttct	tttctttagaa	cttctgcatt	cgtgactgct	gttgttactt	1320
414	ttcttcttct	attccagcca	ctaacactt	ctctgtatct	cctgtgtaca	ttccacccctt	1380
416	tacattcccg	ccttcattt	gaatagtgtt	tccttagaaat	aggggggtat	gaataggaaa	1440
418	atataaaaag	gcacagtaaa	aacggaaact	caaaggata	tattccttgg	ttcaagccgt	1500
420	aaacactttt	gttctttttt	aaaccacatt	cgataaaaaga	aacttcatga	ctcctatgtt	1560
422	gaagtctctt	taaacattca	aacaccttagg				1590
425	<210>	SEQ ID NO:	9				
426	<211>	LENGTH:	1228				
427	<212>	TYPE:	DNA				
428	<213>	ORGANISM:	unknown				
430	<220>	FEATURE:					
431	<223>	OTHER INFORMATION:	Unknown Organism				
433	<400>	SEQUENCE:	9				
434	ggatccttgt	tttcaagcg	gagagaaaaa	tatataatt	tatataggcg	ggtttatctc	60
436	ttacaacttt	attttcggcc	tttcaaaaaaa	ataataaaa	tcgacagaca	cgaatcattt	120
438	cgaccacaga	agcttcaact	atttttatgt	atgcaagagt	cagcatatgt	ataattgatt	180

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/075,105B

DATE: 01/16/2003  
TIME: 12:08:47

Input Set : A:\EP.txt  
Output Set: N:\CRF4\01162003\J075105B.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/10/075,105B**

DATE: 01/16/2003

TIME: 12:08:47

Input Set : **A:\EP.txt**

Output Set: **N:\CRF4\01162003\J075105B.raw**